

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 December 2002 (19.12.2002)

PCT

(10) International Publication Number
WO 02/100354 A3

(51) International Patent Classification⁷: C07D 487/02,
C07H 19/22, A61K 31/7064, 31/519

(21) International Application Number: PCT/US02/06347

(22) International Filing Date: 28 February 2002 (28.02.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/797,549 28 February 2001 (28.02.2001) US

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(81) Designated States (national): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD,
SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
13 March 2003

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PYRROLO[2,3-D]PYRIMIDINE NUCLEOSIDE ANALOGS

(57) Abstract: Compositions and methods for pyrrolo[2,3-d]pyrimidine nucleoside analogs having substituents at the C4' and C5' positions of the ribofuranose moiety are presented. Contemplated compositions exhibit, among other things, anti-cancer and immunomodulating effects at reduced cytotoxicity.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/06347

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 487/02; C07H 19/22; A61K 31/7064, 31/519

US CL : 514/43, 258; 536/27.2; 544/280

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/43, 258; 536/27.2; 544/280

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HINSHAW, B.C. et al. Pyrrolopyrimidine Nucleosides. V. A Study on the Relative Chemical Reactivity of the 5-Cyano Group of the Nucleoside Antibiotic Toyocomycin and Desaminotoyocamycin. The Synthesis of Analogs of Sangivamycin. The Journal of Organic Chemistry. 1970, Vol. 35, No. 1, pages 236-241, especially compound 10 in page 238.	1-3, 41-44
X	US 4,140,851 A (TOWNSEND) 20 February 1979 (20.02.1979), col. 1, first formula.	1-3, 41-44
X	WANG, G. et al. Synthesis and Cytokine Modulation Properties of Pyrrolo[2,3-d]-4-pyrimidone Nucleosides. J. Med. Chem. 2000, Vol. 43, No. 13, pages 2566-2574, especially see compound 16c in page 2568.	1-47

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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Date of the actual completion of the international search

25 September 2002 (25.09.2002)

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks

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Washington, D.C. 20231

Facsimile No. (703)305-3230

Date of mailing of the international search report

13 DEC 2002

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